

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094176 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/IL2005/000365

(22) International Filing Date: 1 April 2005 (01.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0407453.0 1 April 2004 (01.04.2004) GB

(71) Applicants and

(72) Inventors: LIPMAN, Sarah, Michelle [US/IL]; 2-b Sorotzkin Street, 94423 Jerusalem (IL). LIPMAN, Robert, Michael [US/IL]; 2-b Sorotzkin Street, 94423 Jerusalem (IL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): WEINBERGER, Zvi [IL/IL]; 78 Katzenellenbogen Street, 93871 Jerusalem (IL).

(74) Agents: SANFORD T. COLB & CO. et al.; P.O. Box 2273, 76122 Rehovot (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/094176 A2

(54) Title: CONTROL APPARATUS

(57) **Abstract:** An interface including a panel defining at least one edge, at least one detector arranged along the at least one edge of the panel, an electromagnetic radiation beam emitter operative to direct at least one beam of electromagnetic radiation onto the panel from a variable distance and at a variable angle, the panel being operative to transmit electromagnetic radiation from the at least one beam impinging thereon to the at least one edge thereof, for detection by the at least one detector, the panel being operative to generally attenuate the electromagnetic radiation passing therethrough to the at least one edge as a function of the distance traveled by the electromagnetic radiation through the panel, whereby the at least one detector is operative to provide at least one output which can be used to determine the variable distance and the variable angle.